



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/522,757 Confirmation No. : Unassigned  
First Named Inventor : Michael R. RICHARDSON  
Filed : January 28, 2005  
TC/A.U. : Unassigned  
Examiner : Unassigned  
Docket No. : 038665.55792US  
Customer No. : 23911  
Title : Signal Regeneration

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.97 AND 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached Form PTO-1449 and/or listed herein and which the Examiner may deem relevant to patentability of the claims of the above-identified application.

**STATEMENT OF RELEVANCE**

The relevance of these references listed on the PTO 1449 as AJ-AL to the subject matter of the present invention is given in the in the specification of the present invention.

An English abstract is submitted here with for the reference listed on the PTO 1449 as AG.

Applicant encloses herewith a copies of a corresponding British Search Report and a corresponding International Search Report citing such documents, together with an English-language version (if not already included) of that

portion of the Search Reports indicating the degree of relevance found by the foreign office.

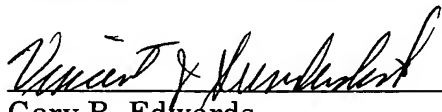
The present Information Disclosure Statement is being filed (1) no later than three months from the application's filing date or (2) before the mailing date of the first Office Action on the merits (whichever is later), and therefore no certification under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

If necessary, the paper should be considered as a petition for consideration of the Information Disclosure Statement under 37 C.F.R. § 1.97(d)(2) and that the petition fee set forth in 37 C.F.R. § 1.17(i) in accordance with 37 C.F.R. § 1.97(d)(3) should be charged to Deposit Account 05-1323, Attorney Docket No.: 038665.55792US.

Respectfully submitted,

May 13, 2005

For   
Gary R. Edwards  
Registration No. 31,824  
**VINCENT J. SUNDESTICK**  
**Registration No. 29,504**

CROWELL & MORING LLP  
Intellectual Property Group  
P.O. Box 14300  
Washington, DC 20044-4300  
Telephone No.: (202) 624-2500  
Facsimile No.: (202) 628-8844  
GRE:lck

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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> MAY 13 2005 (Use as many sheets as necessary)		Application Number	10/522,757
		Filing Date	January 28, 2005
		First Named Inventor	Michael R. RICHARDSON
		Art Unit	Unassigned
		Examiner Name	Unassigned
Sheet 1 of 1	Attorney Docket Number	038665.55792US	

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US- 2003/020653 A			
	AB	US- 5,974,087 A			
	AC	US- 5,440,265 A	08/08/1995	Bruce A. Cochran, et al.	
	AD	US- 4,947,409	08/07/1990	Alex K. Raith, et al.	
	AE	US- 5,852,629 A	12/22/1998	Takanori Iwamatsu	
		US-			
		US-			
		US-			
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FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	AF	EP 0 893 703 A1	01/27/1998			
	AG	JP 52-136527	11/15/1977	Matsushita Electric Ind. Co., Ltd.		AB
	AH	WO 03/094417 A1	11/13/2003	Atheros Communications, Inc.		
	AI	EP 1 501 215 A1	01/26/2005	Telefonica, S.A.		
	AJ	WO 01/28272 A1	04/19/2001	KonIn-Klijke KPN N.V.		
	AK	GB 2 291 300 A	01/17/1996	Motorola Limited		
	AL	GB 2 311 697 A	10/7/1997	Matsushita Electric Industrial Co., Ltd.		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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